



THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicants: Su et al

Examiner: J. Tung

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**REPLY AND AMENDMENT
PURSUANT TO 37 C.F.R. §1.111****Title: SINGLE-PHASE
AMPLIFICATION OF NUCLEIC
ACIDS**Commissioner for Patents
Washington, D.C. 20231

Sir:

In reply to the Office Action mailed 10 October 2001 (Paper No. 17), Applicants respectfully request reconsideration of the pending rejections and reexamination of the present application in view of the following remarks.

In the Claims:

Kindly enter the following proposed amendments to claims 1 and 25 and add new claim 26:

sub
E1
C1

1. A method for the amplification of a population of nucleic acids, said method comprising:
synthesizing double-stranded DNA from a single-stranded DNA population wherein a four-enzyme mix comprising a DNA polymerase is added to synthesize said double-stranded cDNA; and
producing multiple copies of RNA from said double-stranded DNA, wherein said amplification occurs in a single reaction vessel.

C2

25. The method of claim 1, wherein said four-enzyme mix further comprises enzymes selected from the group consisting of DNA polymerase, RNA polymerase, reverse transcriptase, terminal transferase, ligase and RNase.